

ASSOCIATES



31ST TEST AND EVALUATION SQUADRON

60 N. Wolfe Ave.

(661) 277-2366 or DSN 527-2366

The 31st Test and Evaluation Squadron, established in 1917, is the home of Air Combat Command's maintenance, engineering and air crew experts who test, assess and evaluate effectiveness and suitability of new, multi-billion dollar U.S. Air Force weapons systems.

The Desert Pirates, as they are called, are the sole ACC organization at Edwards and are part of the 53rd Test and Evaluation Group, Nellis Air Force Base, Nev., and the 53rd Wing, Eglin AFB, Fla.

The 31st represents the operational combat user during early flight testing to ensure the warfighter receives the world's best operational systems.

The unit is manned with operations, maintenance and engineering experts who plan and conduct tests, evaluate effectiveness and suitability and influence system designs with an operational perspective. Unit personnel are integrated into the F-22, B-1, B-2, B-52, Global Hawk, Predator, MQ-9, Joint Strike Fighter and Airborne Laser programs. Their results and conclusions support Department of Defense acquisition, deployment and employment decisions.

AIR FORCE AUDIT AGENCY AT EDWARDS

90 Farrell Dr.

(661) 277-2899 or DSN 527-2899

The Edwards Area Audit Team provides the Air Force Flight Test Center, Air Force Research Laboratory's Propulsion Directorate, Plant 42 and March Air Reserve Base, Calif., independent, objective and quality audit services. These audit services promote the economy and efficiency of operations; evaluate programs and activities to assist management in achieving desired results; and assess fiduciary stewardship and accuracy of financial reporting.

AIR EDUCATION AND TRAINING COMMAND STUDIES AND ANALYSIS SQUADRON OPERATING LOCATION - A

118 S. Wolfe Ave.

(661) 277-3501 or DSN 527-3501

AETC SAS, OL-A is a component of headquarters AETC and supports the Air Force and Department of Defense in the development of requirements and acquisition strategies of Air Force training systems. At Edwards, OL-A assists in the development of training systems for brand new acquisition systems, such as the Joint Strike Fighter and Airborne Laser programs. In addition to providing subject matter expertise in maintenance training, OL-A conducts Training System Requirements Analysis as outlined in AFI 36-2251 on the Air Force Integrated Maintenance Data System and Multi-sensor Command and Control Aircraft systems.



Photo by Thomas Powell

AIR FORCE OFFICE OF SPECIAL INVESTIGATIONS, DETACHMENT 111

115 E. Yeager Blvd.

(661) 277-2208 or DSN 527-2208

AFOSI, Detachment 111, provides special investigative services for the protection of Air Force and Department of Defense personnel, operations and material at Edwards. The unit strives to detect and provide early warning of worldwide threats to the Air Force, identify and resolve crime that threatens Air Force readiness or good order and discipline, combat threats to information systems and technologies, and detects/deters fraud in the acquisition of U.S. Air Force prioritized weapons systems.

AIR FORCE OPERATIONAL TEST AND EVALUATION CENTER, DETACHMENT 5

192 E. Yeager Blvd.

(661) 277-3666 or DSN 527-3666

Detachment 5 is a component of the Air Force Operational Test and Evaluation Center located at Kirtland Air Force Base, N.M. AFOTEC personnel work closely with the test center's combined test forces from concept development through system employment. The detachment primarily focuses on the critical follow-on process to the Air Force Flight Test Center's developmental test and evaluation effort. Injecting operational realism into the flight test program, AFOTEC personnel evaluate production-representative systems, under operational conditions, to ensure the nation's warfighters have the right tools to accomplish the mission effectively.

AIR FORCE PLANT 42 PRODUCTION FLIGHT TEST INSTALLATION

Palmdale, Calif.

Air Force Plant 42 is a government-owned, contractor-operated facility with proximity to both the concentration of aerospace industry in Los Angeles and the high-speed corridors and resources of the Air Force Flight Test Center at Edwards. The facility is uniquely situated to fully support the nation's newest and most advanced commercial and military aerospace systems. Air Force Plant 42 is one of four Air Force plants located throughout the United States and differs in that it hosts three major defense contractors: Boeing, Lockheed Martin and Northrop Grumman.

The mission of Air Force Plant 42 is to provide industrial facilities for production, modification, and depot maintenance and flight test of U.S. aerospace systems. Air Force Plant 42 is composed of the following military units, as well as the three DoD contractors mentioned above:

Aeronautical Systems Center, Detachment 1

2503 E. Ave. P

Palmdale, Calif.

(661) 272-6770

Detachment 1, a component of ASC, Wright-Patterson Air Force Base, Ohio, provides command and control of Air Force Plant 42, airfield complex and industrial facilities used for production, modification, depot maintenance and flight test of U.S. aerospace systems. The unit provides security, airfield management, maintenance and engineering support, fire protection, crash and rescue, recovery and safety, information management, and contract and property management.

410th Flight Test Squadron/F-117A Combined Test Force

15th St. E. and Ave. P

Palmdale, Calif.

(661) 572-5190

The 410th Flight Test Squadron, a part of the 412th Test Wing and Air Force Flight Test Center, provides operational F-117A support by conducting all developmental test and evaluation and depot maintenance acceptance flights prior to return to operational units.

Warner Robins Air Logistics Center, Detachment 2

2030 E. Ave. M

Palmdale, Calif.

(661) 277-4000

Detachment 2, a unit of Warner Robins ALC, Robins Air Force Base, Ga., is the sole Air Force unit responsible for planning, conducting and reporting on all U-2 flight test programs. The unit conducts U-2 developmental and operational mission support and post-depot maintenance acceptance flights. The unit also provides quality assurance oversight of depot and flight test maintenance activity and validates technical changes to the aircraft, equipment and technical publications.



Courtesy photo

Rocket research and validation are combined at the Air Force Research Lab's 65 square mile facility to make sure propulsion systems like the ATLAS V Solid Rocket Boosters can accomplish their job of boosting Pluto-bound spacecraft and many other heavy-lift tasks.

AIR FORCE RESEARCH LABORATORY PROPULSION DIRECTORATE, DETACHMENT 7

Public Affairs Office, 5 Pollux Dr.
(661) 275-5465 or DSN 525-5465
<http://www.pr.afrl.af.mil>

Development of rocket propulsion technologies for current and future Air Force space and missile systems is the responsibility of the Air Force Research Laboratory's Propulsion Directorate at Edwards.

The Air Force Research Laboratory, headquartered at Wright-Patterson Air Force Base, Ohio, encompasses all Air Force research and development with directorates and facilities throughout the United States.

The directorate here has devoted its efforts to the discovery, development and application of scientific and engineering answers to national defense rocket propulsion needs for more than 50 years.

More than 250 scientists, engineers, technicians and support staff advance this technology area. They are assisted by additional on-site contractors and base support organizations.

The propulsion directorate is the development center for all Air Force rocket and missile propulsion technologies including propellants, combustion, characterization of exhaust plumes, and the materials and structures unique to rocket propulsion. Nearly every U.S. rocket-propelled system used today for tactical operations, ballistic launch, space launch and space operations can trace its technology back to this facility.

The directorate's unique state-of-the-art research equipment and physical assets cover more than 65 square miles of Edwards. They include static rocket test stands capable of holding test firings up to 10 million pounds of thrust.

Known historically as the "Rocket Site," its current efforts are devoted to a national master plan for rocket propulsion technology research involving all military services, NASA and the rocket industry. Called IHPRPT, or Integrated High Payoff Rocket Propulsion Technology, this research, coupled with advanced propulsion concept demonstrations will push the advancement of rocket propulsion technology into the new century.

AREA DEFENSE COUNSEL

20 W. Popson Ave.
(661) 277-2809 or DSN 527-2809

The Area Defense Counsel, the equivalent of a public defender, represents active duty military members who are accused of crimes or adverse administrative actions. The counsel focuses on legal issues pertaining to military justice such as letters of reprimand, Articles 15, courts martial and medical or flying evaluation boards.

ARMY AND AIR FORCE EXCHANGE SERVICE

W. 240 FitzGerald Blvd.
(661) 258-1078

In a continuing effort to improve quality of life at Edwards, the Army and Air Force Exchange Service provides the community with services, products and retail facilities from the Shoppette complex with a Class Six, Pizza Hut and Subway to a Car Care Center with 24-hour, credit-card-reader gas dispensers and Enterprise Car Rental.

Located in the 73,000-square-foot base exchange complex are military clothing sales, beauty and barbershops, a same-day optical shop, a florist, cellular phone store, alterations shop, a General Nutrition Center and an Armed Forces Bank. Additionally, the exchange food court houses Anthony's Pizza, Baskin Robbins, Charley's Steakery, Popeye's Chicken, Robin Hood, Taco Bell Express and Xtreme Franks.

AAFES provides other food facilities, concessions and snack bars, including Burger King, the Thai Garden restaurant and cafeterias at South Base, NASA, Base Operations, Rocket Lab and at Mary's Place located in Bldg. 1600. For further shopping convenience, AAFES features a dry cleaners and laundromat. There is also a Troop Store at 20 W. Popson Ave., with a barbershop on base.

CIVIL AIR PATROL, EDWARDS AIR FORCE BASE COMPOSITE, SQUADRON 84

Muroc Manor, Bldg. P-1
16 Rest Rd., South Base
(661) 277-6543 or DSN 527-6543

<http://www.geocities.com/capsquadron84>

Meetings are every Tuesday from 6:30-9:00 p.m. Civil Air Patrol is a professional, volunteer, nonprofit organization with over 58,000 members and is the official auxiliary of the U.S. Air Force. CAP has three primary missions: operating a first-rate cadet program that includes leadership training, teamwork and discipline, aerospace education, physical fitness and character development; fostering an understanding of aeronautics through aerospace education; and supporting emergency services through disaster relief efforts, humanitarian assistance, and Air Force Rescue Coordination Center directed inland search and rescue missions. Membership in the Civil Air Patrol Cadet Program begins at age 12 and lasts through age 21, while adults over the age of 18 may join as senior members. For more information on CAP programs and membership benefits including scholarships, military grade advancement and military service academy appointment statistics, go to <http://www.cap.gov/data/FactSheet.pdf>.

DEFENSE COMMISSARY AGENCY

312 W. FitzGerald Ave.
(661) 277-4589, extension 3001 or
DSN 527-4589, extension 3001

The Defense Commissary Agency aims to ensure military readiness and retention of quality personnel by providing a valuable part of the military compensation package. The Edwards Commissary strives to enhance quality of life by providing groceries and household supplies at cost resale value. The commissary is open Monday, noon-6 p.m.; Tuesday-Friday, 10 a.m.-6:30 p.m.; Saturday, 9 a.m.-6 p.m.; and Sunday, 10 a.m.-6 p.m. A full-service deli, bakery and meat counter is available.

FEDERAL AVIATION ADMINISTRATION HIGH DESERT TERMINAL RADAR APPROACH CONTROL

100 E. Sparks Rd.
(661) 258-6300 or DSN 527-2023

The FAA's High Desert TRACON, radio call sign Joshua Approach, provides mission-related air traffic control services to Department of Defense and DoD-sponsored aircraft within the entire R-2508 airspace complex, encompassing nearly 25,000 square miles.

The TRACON's Department of Transportation, FAA civilian personnel also provide air traffic control services to civil aircraft within and outside the special-use airspace.

FEDERAL INVESTIGATIVE SERVICES

70 E. Forbes Ave.
(661) 277-4865, 277-3287 or 277-8753

The Center for Federal Investigative Services is an agency within the Office of Personnel Management. FIS personnel conduct personnel security investigations for civilian, military and industrial personnel who require access to classified Department of Defense information. FIS also conducts investigations on individuals entering positions of public trust.



Lance Cpl. Jose D. Aquino, a CH-46E helicopter mechanic with Marine Medium Helicopter Squadron 764 and Northridge, Calif. native, inspects the aft rotor head of a CH-46E after doing repairs on it. Aquino and the other mechanics in the squadron have been working hard to help the squadron maintain top quality helicopters.
Photo by Marine Sgt. Juan Vara



A CH-53 Sea Stallion from Marine Heavy Helicopter Squadron 769 flies towards the mountains near a forward operating base in Afghanistan. Photo by Marine Staff Sgt. Rusty Baker

MARINE AIRCRAFT GROUP 46, DETACHMENT BRAVO

199 S. Wolfe Ave.
(661) 275-3435 or 275-3446

Two Marine Corps Reserve helicopter squadrons and the detachment headquarters support staff representing the command at Marine Corps Air Station Miramar, north of San Diego, Calif., relocated to Edwards in May 1999 following the closure of Marine Corps Air Station El Toro, Calif. There are more than 350 Marines and sailors here with about half of those being active duty and living in the local area, and the others being Reservists commuting from their homes throughout California and the United States.

Marine Heavy Helicopter Squadron 769 (HMH-769) operates 11 CH-53E Super Stallions. Their mission is to transport heavy equipment, weapons and supplies during ship-to-shore movements and amphibious assaults.

Marine Medium Helicopter Squadron 764 (HMM-764) operates 13 CH-46E Sea Knights. Their mission is to transport combat troops in initial assault waves and follow-on stages of amphibious operations ashore.

Both squadrons primarily support Marines at the nearest Marine Corps bases, Camp Pendleton and 29 Palms, Calif. while assisting Team Edwards with VIP transport, medical evacuations, photo and shuttle landing support and other assistance during base and community emergencies.

U.S. ARMY VETERINARY SERVICE

900 Kincheloe Ave.
(661) 275-PETS or DSN 525-7387

The U.S. Army Veterinary Service provides comprehensive veterinary care to all government-owned animals such as the 95th Security Forces Squadron's military working dogs, and to all service members' privately-owned animals, through the Veterinary Treatment Facility. The service is also in charge of coordinating food safety missions at the China Lake Naval Air Weapons Station and performing sanitary audits on multiple commercial food production establishments. The service also maintains a liaison with local veterinary professional organizations in order to provide assistance during civic emergencies.



Photo by Jim Ross

NASA DRYDEN FLIGHT RESEARCH CENTER

Public Affairs Office, 4800 Lilly Dr., Bldg. 4839
(661) 276-3449

<http://www.nasa.gov/centers/dryden/home/index.html>

The Dryden Flight Research Center, NASA's premier installation for aeronautical flight research, is chartered to research, develop and verify advanced aeronautics, space and related technologies for atmospheric flight operations, and to transfer those technologies to industry and other government agencies. The center also supports the Space Shuttle program as an alternate landing site.

The center is named in honor of Dr. Hugh L. Dryden, an internationally known aeronautical scientist who served as director of the National Advisory Committee for Aeronautics (NACA), NASA's predecessor organization, and later as deputy administrator of NASA.

Dryden's history dates back to late 1946, when 13 engineers arrived at what is now Edwards from the NACA Langley Memorial Aeronautical Laboratory, Hampton, Va. Their goal was to support the first supersonic research flights by the X-1 rocket plane in a joint NACA, Army Air Forces and Bell Aircraft program.

Since the days of the X-1, the first aircraft to fly faster than the speed of sound, the center has grown in size and significance and is associated with many important milestones in aviation and space research: supersonic and hypersonic flight, wingless lifting bodies, fly-by-wire, supercritical and forward-swept wings and the space shuttles.

Dryden continues to conduct flight research projects that support NASA's Aeronautics Research Mission, contributing to barrier-breaking leaps in aeronautics technology.

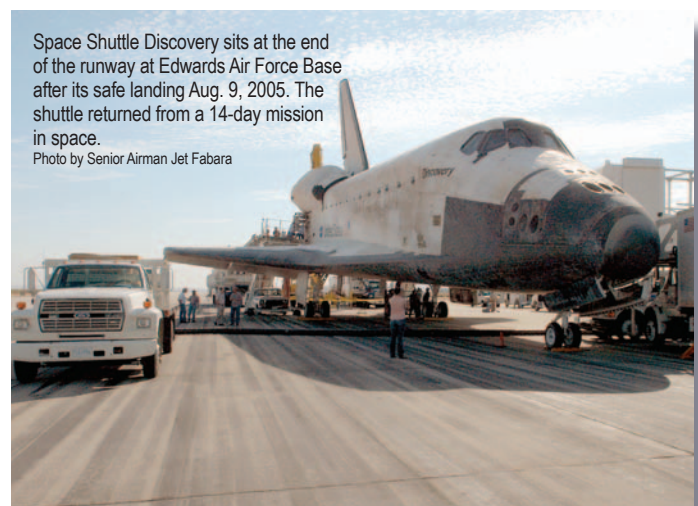
The site of the first approach-and-landing tests of the prototype space shuttle orbiter Enterprise in 1977, Dryden has supported 50 space shuttle landings at Edwards since the first orbital flight in April 1981. Although the Kennedy Space Center in Florida is now the primary landing site for all shuttle missions, Edwards remains the backup shuttle landing site when inclement weather or

other situations preclude a landing in Florida. After an Edwards' landing, space shuttles are serviced at Dryden for ferry flights back to Kennedy in Florida atop one of NASA's two modified Boeing 747 Shuttle Carrier Aircraft.

Along with research and support aircraft, Dryden assets include simulation laboratories, a high-temperature and loads-calibration laboratory, aircraft flight-instrumentation capability, a flow-visualization facility to study air-flow patterns, a data-analysis facility to process flight research data, and remotely piloted vehicle flight research expertise.

In addition, Dryden's Research Aircraft Integration Facility simultaneously checks aircraft flight controls, avionics, electronics and other systems. This facility is the only one of its type in NASA and is designed to speed up and enhance systems integration and preflight checks on research aircraft.

From a handful of engineers who established the center in the late 1940s, NASA Dryden now employs about 1,000 civil service and contract workers.



Space Shuttle Discovery sits at the end of the runway at Edwards Air Force Base after its safe landing Aug. 9, 2005. The shuttle returned from a 14-day mission in space.
Photo by Senior Airman Jet Fabara

CONTRACTORS

- Accent Services Comp. Inc.
(Custodial services)
(661) 258-4181
- Ace Engineering, Inc.
(SABER)
(661) 277-1750
- AMPB Security Services
(661) 277-3714
- Bell-Boeing Company
(CV-22)
(661) 277-6868, Ext. 2788
- The Boeing Company
(661) 275-3169
FAX (661) 275-3179
- Chugach Management
Services, Inc.
(Family Housing
Maintenance)
(661) 258-1044
- E-Med Tech, Inc.
(AFRL Ambulance and EMTs)
(661) 275-5333
- ERC
(AFRL Research in
Propulsion Sciences)
(661) 275-6178
- General Electric
(661) 277-7347
- J. K. Hill & Associates, Inc.
(661) 277-3522
- J. Torres Company
(Refuse/recycling)
(661) 277-7407
- JT3
(J-TECH)
(661) 277-9107
- Linker Services
(Food service)
(661) 258-4021
- Lockheed Martin
Marietta, Ga.
(F-22)
(661) 277-5804
- Lockheed Martin
Fort Worth, Texas
(F-16)
(661) 277-4216
FAX (661) 277-2645
- N & N Travel Services
(Official travel only)
(661) 277-3160
- Northrop/Grumman
(B-2)
(661) 275-0004
FAX (661) 275-0010
- Northrop/Grumman
(RAC)
(661) 275-0609
- Pratt & Whitney
(661) 275-4193
FAX (661) 258-6523
- Raytheon Aerospace
(661) 277-9777 or
(661) 277-9790
- Spiral Technology
(AFRL Advanced Research
and Engineering Support)
(661) 275-5678
- Sverdrup Technology,
(AFRL Research Operations
Support Services)
(661) 275-5618
- TYBRIN
(661) 277-0096 or
(661) 277-0141
- Veridian Engineering
(661) 277-9537 or
(661) 277-2764



Ridley Mission Control
Courtesy photo